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TID-252/67
23 October 1967

MEMORANDUM FOR: Technical Advisor, NPIC

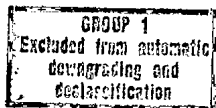
SUBJECT: Project Nice Girl: Technical Characteristics
Evaluation Plan

1. Technical characteristics evaluation of the two collection systems will produce three reports: (1) technical characteristics of the sensors as determined by the joint NPIC-DIA team (with other participants as specified); (2) mission evaluation report on the A-12 by NPIC similar to that prepared for an operational mission; and (3) a mission evaluation report on the SR-71 by NPIC similar to the A-12 report. In addition, TID will send a team to break down the A-12 mission at the processing site. Also, mission coverage plots will be prepared for both sets of photography.

2. Initially, the material will be evaluated to determine if it is suitable for use in this evaluation study.

3. The comparative evaluation will include but not be limited to the following:

- a. Focal length.
- b. Altitude
- c. Scale at nadir and selected angles off axis.
- d. Theoretical ground resolution at nadir and selected angles off axis.
- e. Coverage capability of each sensor.
- f. Attitude data available and accuracy thereof.
- g. Mensuration analysis to determine the accuracy of derived dimensional intelligence from each sensor.
- h. Readings of resolution targets photographed.
- i. Simultaneous microscopic comparison of similar targets via comparison microscopes.



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j. Stereo capability.

k. Subjective resolution ratings of best imagery obtained by each camera, including analysis of range of quality in the mission and ratings at nadir and selected angles off axis.

4. The reports will include appropriate graphics to support the analysis. Applicable operational messages and technical data will be prepared.

5. Records will be maintained on both the timing of events and the expenditure of manhours for each aspect of the evaluation.



STAT

Deputy Chief
Technical Intelligence Division

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